1   2. (Unchanged) The method according to claim 1, wherein two or more of said

2   Internet resources are prefetched substantially in parallel.

1   3. (Unchanged) The method according to claim 1, wherein said step of

2   prefetching said Internet resources based on said estimated round trip time is performed only for

3   Internet resources associated with origin servers that have been previously accessed and said

4   method further comprising the step of prefetching all Internet resources associated with servers

5   that have not been previously accessed.

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2 (handwritten)

1   4. (Unchanged) The method according to claim 1, wherein said estimated round

2   trip time for each Internet resource is based on average access time statistics for the

3   corresponding origin server and the actual size of said Internet resource when said actual size is

4   available.

1   5. (Unchanged) The method according to claim 4, wherein said estimated round

2   trip time for each Internet resource is based on average access time statistics for the

3   corresponding origin server and the average size of Internet resources provided by said origin

4   server if said origin server does not indicate said actual size.

1   6. (Unchanged) The method according to claim 4, wherein said estimated round

2   trip time for each Internet resource is based on average access time statistics for the

3   corresponding origin server and the average size of Internet resources provided by said origin

4   server if the setup and wait time for accessing said origin server is not significantly less than the

5   average round trip time for Internet resources obtained from said origin server.

1   7. (Unchanged) The method according to claim 1, wherein said estimated round

2   trip time is based on at least one actual prior round trip time for said Internet resource.

1   8. (Unchanged) The method according to claim 1, wherein said step of

2   prefetching said Internet resources does not begin until said one or more Web pages have been

3   fetched.

1   9.   (Unchanged) The method according to claim 1, wherein said step of

2   prefetching said Internet resources continues until said Internet resources have been prefetched or

3   until a user selects a new Web page.

1   10. (Unchanged) The method according to claim 1, further comprising the steps of

2   storing said Internet resources in a cache and determining if any of said Internet resources are

3   already stored in said cache before prefetching begins.

1   11. (Unchanged) The method according to claim 1, further comprising the step of

2   applying a filter to said Internet resources to reduce the overhead on network, server or local

3   resources due to prefetching.

1   12. (Unchanged) The method according to claim 11, wherein said filter discards

2   all Internet resources that do not use the HTTP protocol for transmission.

1   13. (Unchanged) The method according to claim 11, wherein said filter discards

2   all Internet resources that corresponding to dynamically generated Web resources.

1   14. (Unchanged) The method according to claim 11, wherein said filter discards

2   all Internet resources that correspond to resources whose size is more than a certain maximum

3   size threshold.

1   15. (Unchanged) The method according to claim 11, wherein said filter discards

2   all Internet resources that correspond to resources whose estimated round trip time is longer than

3   a certain maximum time.

1   16. (Unchanged) The method according to claim 11, wherein said filter discards

2   all Internet resources that correspond to resources whose estimated round trip time is shorter than

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3   a certain minimum time threshold.

1   17. (Amended) A method of prefetching one or more Internet resources referenced

2   in one or more Web pages, said method comprising the steps of:

3   determining an estimated round trip time for said Internet resources based on an

4   interval of time between a sending of an HTTP request and a receipt of a response to said HTTP

5   request;

6   sorting a list of said Internet resources based on said estimated round trip time;

7   prefetching said sorted list of Internet resources until one or more predefined

8   threshold conditions are met.

1   18. (Unchanged) The method according to claim 17, wherein two or more of said

2   Internet resources are prefetched substantially in parallel.

1   19. (Unchanged) The method according to claim 17, wherein said step of

2   prefetching said Internet resources based on said estimated round trip time is performed only for

3   resources associated with origin servers that have been previously accessed and said method

4   further comprising the step of prefetching all resources associated with servers that have not been

5   previously accessed.

1   20. (Unchanged) The method according to claim 17, wherein said estimated round

2   trip time for each Internet resource is based on average access time statistics for the

3   corresponding origin server and the actual size of said Internet resource when said actual size is

4   available.

1   21. (Unchanged) The method according to claim 20, wherein said estimated round

2   trip time for each Internet resource is based on average access time statistics for the

3   corresponding origin server and the average size of Internet resources provided by said origin

4   server if said origin server does not indicate said actual size.

1 22. (Unchanged) The method according to claim 20, wherein said estimated round
2 trip time for each Internet resource is based on average access time statistics for the
3 corresponding origin server and the average size of Internet resources provided by said origin
4 server if the setup and wait time for accessing said origin server is not significantly less than the
5 average round trip time for Internet resources obtained from said origin server.

1 23. (Unchanged) The method according to claim 20, further comprising the step
of applying a filter to said Interent resources to reduce the overhead on network, server or local
resources due to prefetching.

1 24. (Unchanged) The method according to claim 23, wherein said filter discards
2 all Internet resources selected from the set comprised substantially of those Internet resources
3 that (i) do not use the HTTP protocol for transmission; (ii) correspond to dynamically generated
4 Web resources; (iii) correspond to resources whose size is more than a certain maximum size
5 threshold, (iv) correspond to resources whose estimated round trip time is longer than a certain
6 maximum time, or (v) correspond to resources whose estimated round trip time is shorter than a
7 certain minimum time threshold.

1 25. (Amended) A system for prefetching one or more Internet resources
2 referenced in one or more Web pages, each of said Internet resources having an associated origin
3 server, said tool comprising:
4 a memory for storing a server statistics database that records access time statistics
5 for each origin server that has been previously accessed;
6 a processor operatively coupled to said memory, said processor configured to:
7 obtain an estimated round trip time for said Internet resources, wherein said
8 estimated round trip time is based on an interval of time between a sending of an HTTP request
9 and a receipt of a response to said HTTP request; and
10 prefetch said Internet resources based on said estimated round trip time.

1   26. (Unchanged) The system according to claim 25, wherein said server statistics

2   database records the average setup, wait and byte transmission times and average resource size

3   for said Internet resources obtained from said corresponding origin server.

1   27. (Amended) A method of prefetching one or more Internet resources referenced

2   in one or more Web pages, said method comprising the steps of:

3   determining if one or more of said Internet resources are candidates for

4   prefetching based on an estimated round trip time, wherein said estimated round trip time is

5   based on an interval of time between a sending of an HTTP request and a receipt of a response to

6   said HTTP request; and

7   prefetching said Internet resources that are determined to be candidates for

8   prefetching.

1   28. (Amended) An article of manufacture for prefetching one or more Internet

2   resources referenced in one or more Web pages, said article of manufacture comprising:

3   a computer readable medium having computer readable program code means

4   embodied thereon, said computer readable program code means comprising program code means for

5   causing a computer to:

6   obtain an estimated round trip time for said Internet resources, wherein said

7   estimated round trip time is based on an interval of time between a sending of an HTTP request

8   and a receipt of a response to said HTTP request; and

9   prefetch said Internet resources based on said estimated round trip time.

1   29. (Amended) A method of prefetching one or more Internet resources referenced

2   in one or more Web pages, said method comprising the steps of:

3   obtaining an estimated round trip time for said Internet resources, wherein said

4   estimated round trip time is based on an interval of time between a sending of an HTTP request

5   and a receipt of a response to said HTTP request;

6   identifying a subset of said Internet resources that are candidates for prefetching

7   based on said estimated round trip time; and